Precision Strike Association
Annual Programs Review

"Interdependency Across the Services

RDML Tim Heely
Program Executive Officer
Strike Weapons and Unmanned Aviation
19 April 2005

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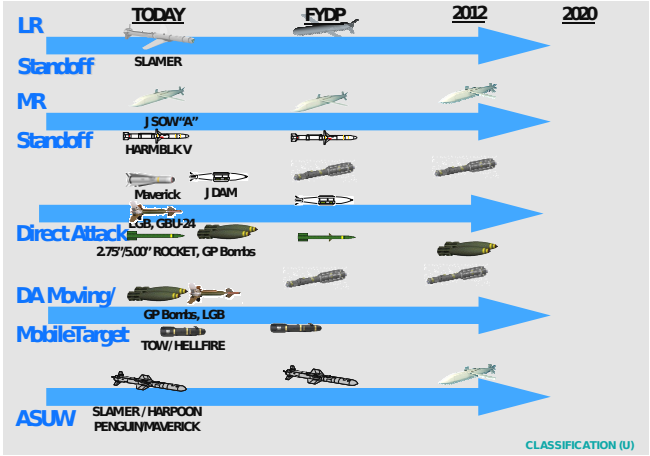
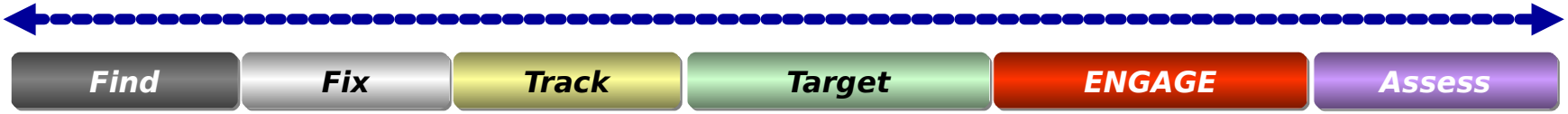
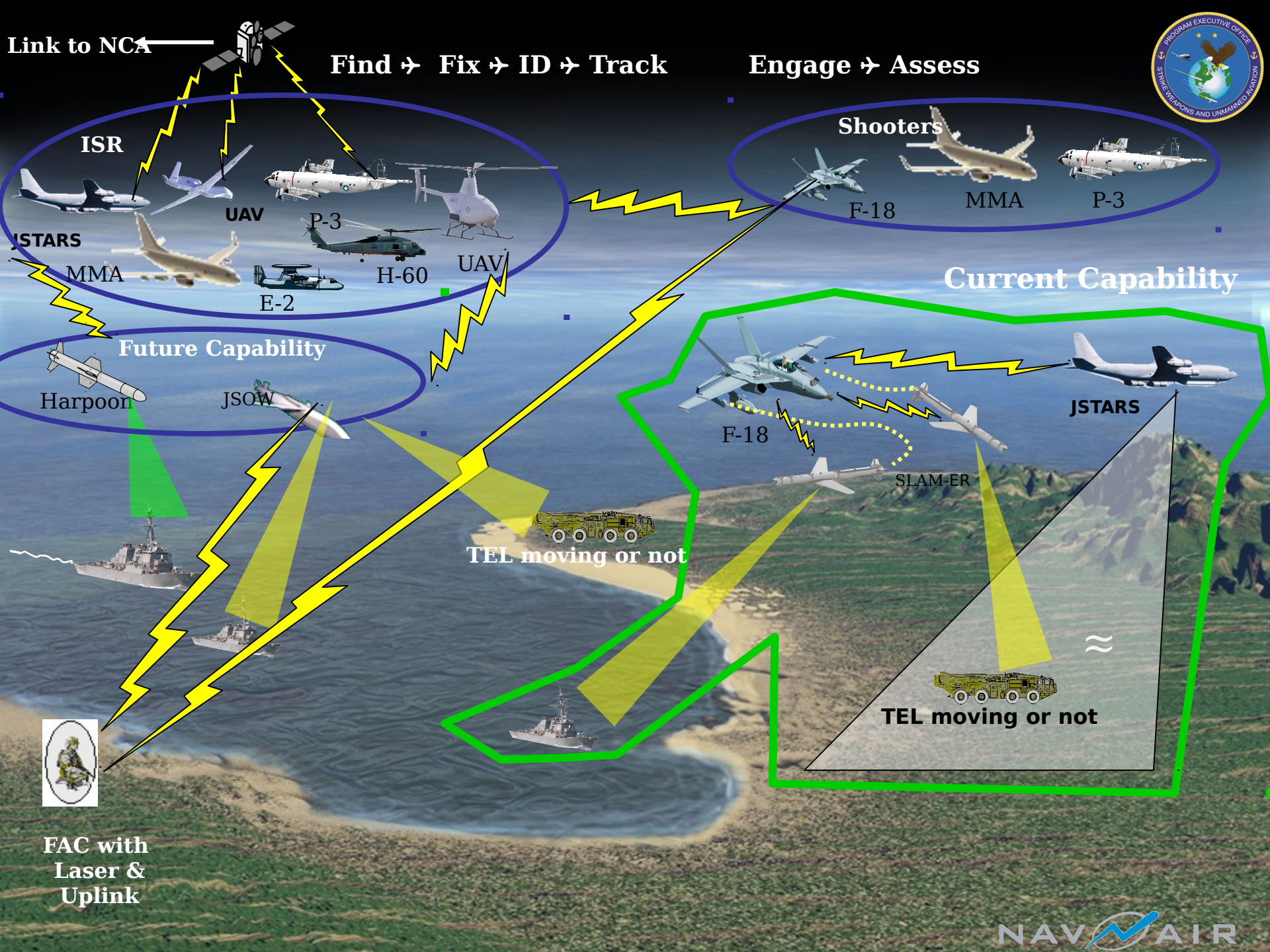
Weapons Roadmap



- **INVESTMENT STRATEGY to leverage:**
  - FISCAL COOPERATION
  - JOINT Development
  - JOINT Employment
  - CAPABILITIES-BASED investments; vice platform-centric
- **Capabilities-based acquisition planning**
  - From TARGETS back to platforms/weapons
  - Capability Across the *entire KILL CHAIN* (F2T2EA)




Link to NCA
Find ✈ Fix ✈ ID ✈ Track
Engage ✈ Assess
ISR
UAV
P-3
JSTARS
MMA
H-60
UAV
E-2
Shooters
F-18
MMA
P-3
Current Capability
Future Capability
Harpoon
JSOW
F-18
JSTARS
SLAM-ER
TEL moving or not
≈
TEL moving or not
FAC with Laser & Uplink
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GAIN 02
UFOV
2
3.5

Interoperability Today

Navy/Marine Corps weapons compatible with other services

- JSOW – USAF
- JDAM – USAF
- LGBs – USAF
- HARM – USAF
- Hellfire – ARMY & USAF
- 2.75 inch Rockets – ARMY & USAF
- Maverick – USAF
- 20MM Gun Systems – USAF

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Cooperation for Tomorrow

- **APKWS**
  - Advanced Precision Kill Weapon System
  - Army
  - Interoperability with Coalition Forces
  - Off-Board Interoperability with National Assets
- **HARM**
  - High Speed Anti-Radiation Missile (AGM-88 B/C)
    - AGM-88 C: United Arab Emirates
    - AGM-88 B: Germany, Italy, Greece, Turkey, Spain, South Korea
- **AARGM**
  - Advanced Anti-Radiation Guided Missile (AGM-88 E)
  - Italy
- **JHSW**
  - Joint High Speed Weapon
  - Potential Program to fill Capabilities Gaps
  - In Joint Capabilities Integration & Development Process

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OSD UAV Roadmap

"OSD identifies 50 ***goals for unmanned aviation*** in this Roadmap that support the Department's larger goals of fielding transformational capabilities, ***establishing joint standards***, and controlling costs."

- 6.4.6 Standards Goals: Develop ***standards to maximize interoperability*** within each class of UAV and to maintain a appropriate degree of interoperability between classes of UA

"***To achieve UAV interoperability, standardization is require*** regimes of situational awareness, control, tasking, collection, proc and dissemination."

"Interoperability among UAV systems is critical in order to reduce acquisition costs, share sensor data among disparate users, …."

Moving Forward

- **INTEROPERABILITY changes…**
  - **The way we fight**
  - **The way we approach the fight**
- **Sea Power 21**
  - **Critical Component of Joint Interdependence**
- **Integrated Networked force**
  - **Joint Services**
  - **Multi-national partners**
  - **Commercial assets**

CAPABILITIES-BASED approach; seeking solutions "BORN JOINT"

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